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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/669,974	
	Filing Date	09/24/2003	
	First Named Inventor	Richard Onstott	
	Art Unit	3744	
	Examiner Name	-----	
Total Number of Pages in This Submission	6	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC)
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<b>Remarks</b> Petition to make special on energy grounds, ATTN: Director, Group 3700  Certified mail No. 7002 3150 0002 1635 9468  Return Post card attached	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual	Michael Tavella
Signature	
Date	January 30, 2004

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 01/30/2004	
Typed or printed	Michael Tavella
Signature	
Date	01/30/2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Richard Onstott  
Serial Number: 10/669,974  
Filed: September 24, 2003  
For: Air Ventilation Control System

Art Unit: 3744

**Petition To Make Special On the Grounds of Energy Savings**

**(37 C.F.R. 1.102(c) and 708.02 VI MPEP)**

Honorable Commissioner of Patents and Trademarks  
P O Box 1450  
Alexandria VA 22313-1450

ATTN: Group Director, Group 3700

Sir or Madam:

Applicant hereby requests that the application cited above be made special under 37 C.F.R. §1.102(c) and sections 708.02 VI of the MPEP. As stated in the attached declaration, petitioner explains that his new air ventilation control system design makes air ventilation control systems operate more efficiently, thereby saving energy. As the number of improved air ventilation control systems in use increase, the energy savings will multiply.

These statements satisfy the requirements as set forth in 708.02 VI of the M.P.E.P. for making an application special on the basis of energy savings. Accordingly, applicant believes that this case meets the requirements set forth in 37 C.F.R. §1.102(c) and 708.02 VI of the M.P.E.P and should be accorded special status.

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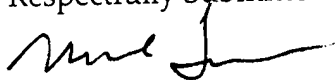
In Re Application of: Richard Onstott  
Serial Number: 10/669,974  
Filed: September 24, 2003  
For: Air Ventilation Control System

Art Unit: 3744

There is no fee required for this petition, in accordance with 37 C. F. R. §1.102(c).

Dated this 30<sup>th</sup> day of January 2004.

Respectfully Submitted



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Richard Onstott  
Serial Number: 10/669,974  
Filed: September 24, 2003  
For: Air Ventilation Control System

Art Unit: 3744

Declaration in Support of A Petition To Make Special On the Grounds of Energy  
Savings  
(37 C.F.R. 1.102(c) and 708.02 VI MPEP)

I, Richard Onstott, am the inventor of the invention disclosed in the patent application identified above and inventor of the subject matter described and claimed therein.

It is my contention and belief, based on my system design that my system will bring about major changes in efficiency for small and medium residential and commercial heating plants. The basis of this assertion is the following:

Nearly all residential forced air systems in the past, were installed with a simple thermostat for control which provided air circulation only during periods of heating or cooling or continuous air circulation by placing a jumper between two points in the fan circuit in the furnace control panel.

Today's electronic thermostats give the user a variety of energy saving options that can be programmed from a key pad; such as, turning the temperature down (called set-back) at night and during the day when a residence isn't occupied then returning it to a desired set point at some later time. These sequences of change can be set up for an entire week with each day's settings the same or different as need dictates. However, the fan control switch has only two settings, "On" or "Auto". The selection

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of "On", transfers the task of manually placing the jumper in the fan control circuit at the furnace to a set of contacts in the thermostat. The "On" position causes the fan to run continuously for as long as this option is selected, with heating or cooling periods cycled in as dictated by the thermostat. The "Auto" position causes the fan to run only for the duration of each heating or cooling cycle. Neither condition is desirable for continuous operation because of, the energy consumed by a constantly running fan or the possibly of lengthily periods without circulation that can lead to air stratification and stagnation.

Moreover, Heat Recovery Ventilators, HRVs, are being used in today's tight-built homes to provide filtered make up air, via air exchange, while minimizing the energy loss through the transfer of a percentage of temperature from out-going to incoming air streams. Designed for continuous operation, two blowers may be run at selectable low, medium or high speeds. One blower pulls air through a filter from some high point (during winter) in a residence, exhausting it through a heat exchanger to some outside place. The other blower pulls outside fresh air through filters and exhausts it through the heat exchanger to an output point or to a furnace return air intake for outward distribution. In the latter case, the furnace fan must be running to effect distribution.

My invention shares control of a furnace, or air conditioner, with the thermostat and introduces other units in sync to complete an efficient, energy saving, make up air system. It initiates air recirculation at times and for durations set by the user without interfering with heating or cooling cycles initiated by the thermostat. Filtered fresh air is introduced during heating or cooling and recirculation cycles but may be shut off if

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outside ambient temperatures are in the extreme. Energy is conserved because the fans and blowers of a system are set by the user, to operate at specific times and for variable durations as opposed to them running continuously.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Declarant's Signature: Richard Onstott  
Date: 1/28/2004